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AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): A method of discharging liquid droplets of a liquid material, comprising:

providing a liquid discharging apparatus comprising

a metering tube having a columnar internal space formed substantially the same diameter,

a plunger whose tip face closely contacts an inner wall surface of the metering tube,

a storage container filled with the liquid material,

a flow passage communicating the metering tube with the storage container,

a liquid material supplying valve on the flow passage,

a discharge valve disposed at a nozzle side distal end of the metering tube, and

a nozzle in communication with the discharge valve;

supplying the metering tube with the liquid material by moving the plunger rearward to a first position while the liquid material supplying valves valve is in the open position and the discharge valves valve is in the closed position;

moving the plunger forward from [[a]] the first position and stopping the plunger at a second position while the liquid material supplying valve is in the closed position and the discharge valves valve is in the open position, thereby discharging a first droplet from the nozzle; and

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moving the plunger forward from the second position and stopping the plunger at a third position while the liquid material supplying valve is in the closed position and the discharge valves valve is in the open position, thereby discharging a second droplet from the discharge port,

wherein speed of the plunger from a start of a deceleration to a stop of the plunger is controlled during the steps of moving forward and stopping the plunger such that the first droplet and the second droplet are of the same quantity, without abruptly stopping the plunger, and

wherein the liquid material supplied in the metering tube in a single supplying step is discharged from the discharge port in a plurality of steps of moving the plunger forward.

- 2. (Previously presented): A method of discharging a liquid droplet of claim 1, wherein the plunger having an air bubble removing mechanism.
- 3. (Previously presented): A method of discharging a liquid droplet, wherein the liquid droplet discharged by the method of the claim 1 or 2 is applied onto a work.
 - 4. (Cancelled).
- 5. (Currently Amended): An apparatus for discharging a liquid material, comprising: a metering tube having a columnar internal space formed substantially the same diameter;
 - a plunger whose tip face closely contacts an inner wall surface of the metering tube;

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a storage container filled with the liquid material;

a flow passage communicating the metering tube with the storage container;

a liquid material supplying valve on the flow passage;

a discharge valve disposed at a nozzle side distal end of the metering tube; and

a nozzle in communication with the discharge valve; and

a controller controlling a rearward movement process of the plunger to a first position

while the liquid material supplying valve is in the open position and the discharge valve is in the

closed position, and a forward movement process of the plunger from a first position to a second

position to discharge a first droplet, and from the second position to a third position to discharge

a second droplet, while the liquid material supplying valve is in the closed position and the

discharge valves valve is in the open position, thereby the liquid material supplied in the

metering tube in a single supplying step is discharged from the nozzle in a plurality of steps of

moving the plunger forward,

wherein the controller controls a moving speed of the plunger from a start of a

deceleration to a stop of the plunger in the steps of moving forward and stopping the plunger

such that the first droplet and the second droplet are of the same quantity, without abruptly

stopping the plunger.

6. (Previously presented): An apparatus for discharging a liquid material of claim 5,

comprising an input device indicating the moving speed of the plunger moving forward from

start of deceleration to stop to the controller.

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7. (Previously presented): An apparatus for discharging a liquid material of claim 6,

wherein the controller controls the operation of the plunger on the basis of data concerning the

moving speed of the plunger moving forward from start of deceleration to stop, which has been

inputted by the input device.

8. (Previously presented): A method of discharging a liquid droplet of claim 1 or 2,

wherein the plunger is moved by a motor and controlling moving speed of the plunger by

controlling a rotation of operation of the motor.

9. (Previously presented): An apparatus for discharging a liquid material of claim 5, 6, or

7, wherein the plunger having an air bubble removing mechanism.

10. (Previously presented): A apparatus of discharging a liquid material of claim 5, 6, or

7, wherein the plunger is moved by a motor and the controller controls moving speed of the

plunger by controlling a rotation of operation of the motor.

11. (Previously presented): A method of discharging a liquid droplet of claim 1 or 2,

wherein the step of controlling moving speed of the plunger comprises the steps of:

a) starting and accelerating forward movement of the plunger;

b) keeping the forward movement of the plunger at a constant speed;

c) decelerating and stopping the plunger,

wherein the plunger is moved by a regulated amount.

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- 12. (Previously presented): A method of discharging a liquid droplet of claim 1 or 2, wherein the step of controlling moving speed of the plunger comprises the steps of:
 - a) starting and accelerating forward movement of the plunger;
- b) decelerating and stopping the plunger without keeping the forward movement at a constant speed,

wherein the plunger is moved by a regulated amount.